

**Product Information**

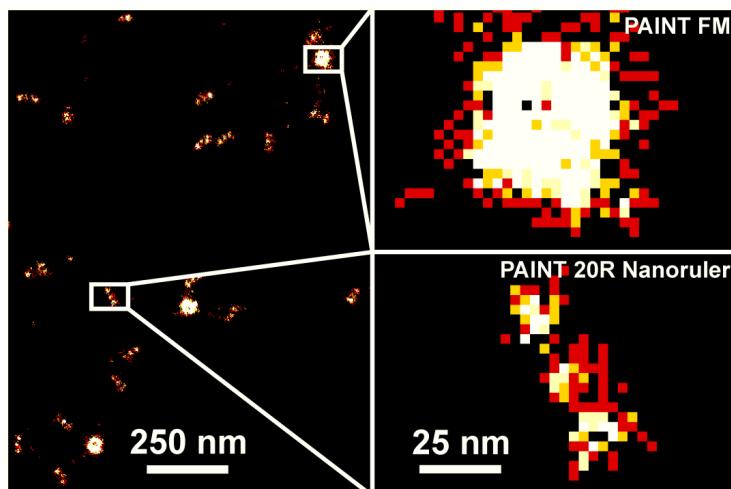
# GATTA-PAINT HiRes

Verify the resolution of your localization-based microscope with precise and reliable drift correction.

Nanorulers from the GATTA-PAINT HiRes series serve all advantages of the classical GATTA-PAINT nanorulers. Additionally, they include special DNA-PAINT based fiducial markers for a precise and reliable drift correction. These fiducial markers outclass common fiducial markers based on fluorescent beads by having a stable connection to the surface and emitting a signal which does neither bleach nor exceed the detector's dynamic range.

For the GATTA-PAINT HiRes nanorulers we offer the mark-to-mark distances in the sizes 20 nm, 40 nm and 80 nm. Each size is available in the colors red (ATTO 655) or green (ATTO 542).

On request we can also design special solutions for your specific requirements. All samples will be delivered on a sealed glass slide which you can comfortably put directly on your microscope.



**GATTA-PAINT HiRes 20R**  
Super-resolution image and zoom in of a GATTA-PAINT 20R nanoruler with fiducial marker

### Product properties

## GATTA-PAINT nanoruler

Nanoruler with fiducial marker for any common type of localization based super-resolution microscopy



	PAINT HiRes 80R	PAINT HiRes 80G
<b>Color</b>	red	green
<b>Fluorophore</b>	ATTO 655	ATTO 542
<b>Recommended laser source</b>	625–665 nm	530–560 nm
<b>Surface density Fiducial Marker</b>	$\approx 0,1/\mu\text{m}^2$	$\approx 0,1/\mu\text{m}^2$
<b>Surface density PAINT nanoruler</b>	$\approx 1/\mu\text{m}^2$	$\approx 1/\mu\text{m}^2$
<b>Distance</b>	2x 80 nm	2x 80 nm



	PAINT HiRes 40R	PAINT HiRes 40G
<b>Color</b>	red	green
<b>Fluorophore</b>	ATTO 655	ATTO 542
<b>Recommended laser source</b>	625–665 nm	530–560 nm
<b>Surface density Fiducial Marker</b>	$\approx 0,1/\mu\text{m}^2$	$\approx 0,1/\mu\text{m}^2$
<b>Surface density PAINT nanoruler</b>	$\approx 1/\mu\text{m}^2$	$\approx 1/\mu\text{m}^2$
<b>Distance</b>	2x 40 nm	2x 40 nm

### Product properties

## GATTA-PAINT nanoruler

Nanoruler with fiducial marker for any common type of localization based super-resolution microscopy



	PAINT HiRes 20R	PAINT HiRes 20G
<b>Color</b>	red	green
<b>Fluorophore</b>	ATTO 655	ATTO 542
<b>Recommended laser source</b>	625–665 nm	530–560 nm
<b>Surface density Fiducial Marker</b>	$\approx 0,1/\mu\text{m}^2$	$\approx 0,1/\mu\text{m}^2$
<b>Surface density PAINT nanoruler</b>	$\approx 1/\mu\text{m}^2$	$\approx 1/\mu\text{m}^2$
<b>Distance</b>	2x 20 nm	2x 20 nm

**Need support?**

## Contact

In the case that you should need further assistance please feel free to contact us.  
We are happy to help.

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